<u>Amendments to the Claims:</u>

This listing of claims will replace all prior versions, and listings, of claims in the application:

<u>Listing of Claims</u>

Claims 1-58 (Cancelled)

59. (Currently Amended) A system for providing wireless data communications between mobile units and a wired network operating according to a wireless data communications <u>standard</u> protocol having higher level media access control functions, including association and roaming functions, and lower level media access control functions, including packet acknowledgement functions, comprising:

a plurality of RF ports, having at least one data interface, a radio and a control unit, said RF ports being arranged to receive formatted data signals at said data interface and transmit corresponding RF data signals according to said wireless data communications protocol, and arranged to receive RF data signals having said wireless data communications <u>standard</u> protocol and provide corresponding formatted data signals at said data interface, said RF ports being further arranged to perform at least some of said lower level media access control functions, including said packet acknowledgement functions; and

at least one cell controller <u>separately housed from said plurality of RF ports, said at least one cell controller</u> arranged to receive data signals from said wired network, to format said data signals and to provide formatted data signals to said data interface of RF ports connected to said cell controller, and to receive formatted data signals from said connected RF ports and to provide data signals to said wired network,

said cell controller being further arranged to perform at least some of said higher level media access control functions for all of said connected RF ports, including association of mobile units with one of said RF ports.

Claims 60-68 (Cancelled)

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69. (Currently Amended) The system of claim 59 wherein the wireless data communications standard protocol is the IEEE 802.11 standard protocol.

Claims 70-90 (Cancelled)

91. (New) The system of claim 59, wherein said lower level media access control functions performed by said RF ports include a cyclic redundancy check function.

92. (New) The system of claim 59, wherein said lower level media access control functions performed by said RF ports include a network activity vector function.

93. (New) The system of claim 59, wherein said lower level media access control functions performed by said RF ports include a ready to send/clear to send function.

94. (New) The system of claim 59, wherein said lower level media access control functions performed by said RF ports include a header generation/parsing function.

95. (New) The system of claim 59, wherein said lower level media access control functions performed by said RF ports include a collision avoidance function.

96. (New) The system of claim 59, wherein said lower level media access control functions performed by said RF ports include a frequency hopping function.

97. (New) The system of claim 59, wherein said lower level media access control functions performed by said RF ports include an ack parsing/generating function.

98. (New) The system of claim 59, wherein said lower level media access control functions performed by said RF ports include a retransmission timeout function.

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99. (New) The system of claim 59, wherein said higher level media access control functions performed by said cell controller include a roaming function.

100. (New) The system of claim 59, wherein said higher level media access control functions performed by said cell controller include a retransmission function.

101. (New) The system of claim 59, wherein said higher level media access control functions performed by said cell controller include a rate control function.

102. (New) The system of claim 59, wherein said higher level media access control functions performed by said cell controller include a host interface function.

103. (New) The system of claim 59, wherein said lower level media access control functions performed by said RF ports includes a cyclic redundancy check function, a network activity vector function, a ready to send/clear to send function, a header generation/parsing function, a collision avoidance function, a frequency hopping function, an ack parsing/generating function, and a retransmission timeout function.

104. (New) The system of claim 59, wherein said higher level media access control functions performed by said cell controller include a roaming function, a retransmission function, a rate control function, a host interface function.